

Suppression - continued

Class X1 and Y2 Ceramic – KH Series

250V ac



- Leaded ceramic safety capacitors
- Meet requirements of IEC384-14 2nd Edition 1993 class X1, Y2
- Approved to CSA, BSI, SEMKO, SEV, VDE, FIMKO, NEMKO, DEMKO and NSW (SAA)
- UL recognised

Voltage rating 250V ac
Test voltage 2600V rms
Operating temperature -25°C to +125°C
-25°C to + 85°C (UL, CSA)

Capacitance	Dimensions	Lead	Lead	Mfrs. List No.	Order Code
pF nF	Tolerance Body Dia. Thickness	Pitch Length	Length		
100 0.1 ±10%	8 8	7.5 25	25	DE2B3KH101KA3B.	353-1790
100 0.1 ±10%	8 8	7.5 25	25	DE2B3KH101KA3B	952-6978
150 0.15 ±10%	8 8	7.5 25	25	DE2B3KH151KA3B.	353-1806
150 0.15 ±10%	8 8	7.5 25	25	DE2B3KH151KA3B	952-6986
220 0.22 ±10%	8 8	7.5 25	25	DE2B3KH221KA3B.	353-1818
220 0.22 ±10%	8 8	7.5 25	25	DE2B3KH221KA3B	952-6994
330 0.33 ±10%	8 8	7.5 25	25	DE2B3KH331KA3B	353-1820
470 0.47 ±10%	8 8	7.5 25	25	DE2B3KH471KA3B.	353-1831
470 0.47 ±10%	8 8	7.5 25	25	DE2B3KH471KA3B	952-7001
680 0.68 ±10%	8 8	7.5 25	25	DE2B3KH681KA3B	353-1843
1000 1 ±20%	8 8	7.5 25	25	DE2E3KH102MA3B.	353-1855
1000 1 ±20%	8 8	7.5 25	25	DE2E3KH102MA3B	952-7010
1500 1.5 ±20%	8 8	7.5 25	25	DE2E3KH152MA3B.	353-1867
1500 1.5 ±20%	8 8	7.5 25	25	DE2E3KH152MA3B	952-7028
2200 2.2 ±20%	8 8	7.5 25	25	DE2E3KH222MA3B.	353-1879
2200 2.2 ±20%	8 8	7.5 25	25	DE2E3KH222MA3B	952-7036
3300 3.3 ±20%	10 8	7.5 25	25	DE2E3KH332MA3B.	353-1880
3300 3.3 ±20%	10 8	7.5 25	25	DE2E3KH332MA3B	952-7044
4700 4.7 ±20%	13 8	7.5 25	25	DE2E3KH472MA3B.	353-1892
4700 4.7 ±20%	13 8	7.5 25	25	DE2E3KH472MA3B	952-7052
10000 10 ±20%	16 8	7.5 25	25	DE2F3KH103MA3B.	353-1909
10000 10 ±20%	16 8	7.5 25	25	DE2F3KH103MA3B	952-7060

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nF	Order Code	5+	50+	100+	500+	+
0.1	353-1910	19.00	16.00	13.00	10.00	--
0.15	353-1922	19.00	16.00	13.00	10.00	--
0.22	353-1934	19.00	16.00	13.00	10.00	--
0.33	353-1946	19.00	16.00	13.00	10.00	--
0.47	353-1958	18.00	15.00	13.00	10.00	--
0.68	353-1960	24.00	18.00	16.00	11.00	--
1	353-1971	19.00	16.00	14.00	10.00	--
1.5	353-1983	21.00	17.00	14.00	10.00	--
2.2	353-1995	25.00	19.00	16.00	12.00	--
3.3	353-2008	27.00	22.00	19.00	14.00	--
3.9	353-2010	31.00	24.00	21.00	15.00	--
4.7	353-2021	32.00	26.00	23.00	16.00	--

Class Y Ceramic — WYO & WKO Series

250V ac & 400V ac



- Approved to CSA and EN132400
- UL recognised

N.B. For ease of selection capacitance value is listed in both pF and µF

Tolerance ±20%
Insulation resistance 6000MΩ
Operating temperature -40°C to +85°C
Test voltage WYO 1800V ac for 2s
WKO 2500V ac for 2s
Power factor 0.025

Lead dia. (WY)=0.6
Lead dia. (WKO)=0.8

250Vac	Dimensions	Lead	Lead	Mfrs. List No.	Order Code
pF µF	Body Dia. Thickness	Pitch Length	Length		
2200 0.0022	9 4.5	5 30	30	WYO222MCMBF0KR	116-6661
4700 0.0047	12 4.5	7.5 30	30	WYO472MCMCF0KR	116-6662
1000 0.001	10 5	7.5 30	30	WKO102MCPJ0KR	116-6663
4700 0.0047	14.5 5	12.5 30	30	WKO472MCPJ0KR	116-6664

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Capacitors

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nF	Order Code	5+	50+	100+	500+	+
0.1	353-1790	13.00	10.00	9.00	6.00	--
0.1	NEW 952-6978	13.00	10.00	9.00	6.00	--
0.15	353-1806	13.00	10.00	9.00	6.00	--
0.15	NEW 952-6986	13.00	10.00	9.00	6.00	--
0.22	353-1818	13.00	10.00	9.00	6.00	--
0.22	NEW 952-6994	13.00	10.00	9.00	6.00	--
0.33	353-1820	13.00	10.00	9.00	6.00	--
0.47	353-1831	13.00	10.00	9.00	6.00	--
0.47	NEW 952-7001	13.00	10.00	9.00	6.00	--
0.68	353-1843	16.00	13.00	11.00	8.00	--
1	353-1855	11.00	10.00	9.00	6.00	--
1	NEW 952-7010	11.00	10.00	9.00	6.00	--
1.5	353-1867	16.00	13.00	11.00	8.00	--
1.5	NEW 952-7028	16.00	13.00	11.00	8.00	--
2.2	353-1879	14.00	11.00	10.00	7.00	--
2.2	NEW 952-7036	14.00	11.00	10.00	7.00	--
3.3	353-1880	22.00	18.00	15.00	11.00	--
3.3	NEW 952-7044	22.00	18.00	15.00	11.00	--
4.7	353-1892	21.00	17.00	14.00	10.00	--
4.7	NEW 952-7052	21.00	17.00	14.00	10.00	--
10	353-1909	35.00	27.00	24.00	16.00	--
10	NEW 952-7060	35.00	27.00	24.00	16.00	--

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Order Multiple=5	Price Each					
µF	Order Code	5+	50+	100+	500+	+
250Vac						
0.0022	116-6661	14.00	12.00	11.00	7.00	--
0.0047	116-6662	20.00	18.00	15.00	11.00	--
400Vac						
0.001	116-6663	20.00	16.00	12.00	8.00	--
0.0047	116-6664	37.00	27.00	22.00	15.00	--

Class X1, X2 and Y2 Metallised Polypropylene

2222 336 Series

275V ac (X1, X2), 250V ac (Y2)



- Approved to VDE, SEV, SEMKO, DEMKO, SETI, IMQ, OVE and CSA
- UL recognised
- Meets the latest requirements of IEC384-14

Operating temperature -55°C to 100°C
Tolerance ±20%
Insulation resistance C < .33µF 15000MΩ
C5 > .33µF 5000 sec (MΩ x uF)
Pulse rise time X1, Y1 200Vµs
X2 100Vµs

N.B. For ease of selection, capacitance value is listed in both nF and µf

nF	µF	Dimensions	Lead	Lead	Mfrs. List No.	Order Code
		H W D	Pitch	Diameter		
Class X1						
10	0.01	12 12.5 6	10	0.6	2222 336 10103	116-6512
22	0.022	11 17.5 5	15	0.6	2222 336 10223	116-6513
33	0.033	12 17.5 6	15	0.6	2222 336 10333	116-6535
47	0.047	13.5 17.5 7	15	0.8	2222 336 10473	116-6514
68	0.068	15 17.5 8.5	15	0.8	2222 336 10683	116-6536
100	0.1	16.5 17.5 10	15	0.8	2222 336 10104	116-6515
150	0.15	18 26 8.5	22.5	0.8	2222 336 10154	116-6537
220	0.22	19.5 26 10	22.5	0.8	2222 336 10224	116-6516
330	0.33	23 31 13	27.5	0.8	2222 336 10334	116-6538
470	0.47	25 31 15	27.5	0.8	2222 336 10474	116-6518
1000	1	31 31 21	27.5	0.8	2222 336 10105	116-6519
Class X2						
10	0.01	11 12.5 5	10	0.6	2222 336 20103	116-6520
15	0.015	11 12.5 5	10	0.6	2222 336 20153	116-6539
22	0.022	11 12.5 5	10	0.6	2222 336 20223	116-6521
33	0.033	12 12.5 6	10	0.6	2222 336 20333	116-6540
47	0.047	11 17.5 5	15	0.6	2222 336 20473	116-6522
68	0.068	11 17.5 5	15	0.6	2222 336 20683	116-6541
100	0.1	12 17.5 6	15	0.6	2222 336 20104	116-6523
150	0.15	15 17.5 8.5	15	0.8	2222 336 20154	116-6543
220	0.22	16.5 17.5 10	15	0.8	2222 336 20224	116-6524
330	0.33	18 26 8.5	22.5	0.8	2222 336 20334	116-6544
470	0.47	19.5 26 10	22.5	0.8	2222 336 20474	116-6525
680	0.68	21 31 11	27.5	0.8	2222 336 20684	116-6545
1000	1	23 31 13	27.5	0.8	2222 336 20105	116-6526
Class Y2						
1	0.001	10 12.5 4	10	0.6	2222 336 60102	116-6527
1.5	0.0015	10 12.5 4	10	0.6	2222 336 60152	116-6546
2.2	0.0022	10 12.5 4	10	0.6	2222 336 60222	116-6528
3.3	0.0033	11 12.5 5	10	0.6	2222 336 60332	116-6547